

STRUCTURE 38A

This structure is a double-barreled, corrugated metal pipe culvert, located in the L-36 borrow canal on the east perimeter of Conservation Area #2, just north of C-14 and about 13 miles west of Pompano Beach. Control is effected by flashboards in a CMP riser pipe on the upstream or north end of the structure.

PURPOSE

This structure, together with S-38B, controls the seepage rate from Conservation Area 2A and discharge from the North Springs Improvement District Pump Station at S-38B by regulating the water level in the south half of the Levee 36 borrow canal.

OPERATION

The water level in L-36 canal is controlled by adjusting stoplogs manually at S-38A. At this structure, optimum upstream water level is 7.65 feet. When the North Springs Improvement District discharges, water level can rise to a maximum headwater stage of 9.0 feet. Because of the difficulty of the operation of S-38A, all stoplogs are removed normally. Water level is controlled by S-37B.

FLOOD DISCHARGE CHARACTERISTICS

	Design
Discharge Rate	<u>190</u> c.f.s. * % of SPF
Headwater Elevation	<u>9.0</u> feet
Tailwater Elevation	<u>8.0</u> feet
Type Discharge	—

*Design flow not related to Standard Project Flood

DESCRIPTION OF STRUCTURE

Type	<u>corrugated metal pipe culvert</u>
Number of barrels	<u>2</u>
Size of barrels	<u>60 inch diameter</u>
Length of barrels	<u>70 feet</u>

Flow line elevation 2.0 feet

Service bridge elevation 12.77

Water level which will bypass structure 14.37 feet

Control Discharge is controlled by stop logs placed in a CMP riser pipe
on the north end of the structure.

River Pipe

Top Elevation 12.37

Diameter 84"

Stop Logs - Open Weir, no boards installed

Top of Board elevation determination measured down from reference elevation
of 12.77 feet

Elevation of Control Weir

NOTE: Above values of control weir elevations are theoretical. Use actual measurements.

DATE OF TRANSFER: _____

ACCESS Sawgrass Expressway north of S-38

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level upstream and downstream remote, digital recorders

Gate Position Recorder None

DEWATERING FACILITIES (per barrel) - None